on, was aviginally a er, reared at Eletow, an was born. who is just leaving urch where he has a quarter of a cen-aking a collection of sort of farewell voi-

TREES ON PRAIRIES.

In the states of the middle west

the attempts made to supply it have as a rule, fallen short of the benefits

which might have been secured. The early planting was done chiefly for the sake of ornament or shade; the usefulness of the species for wood was seldom considered. In many cases, also these were planted outside of the range

to which they were adapted, and on soil and in locations unfavorable to them. On the other hand, many valu-

Experience has now furnished the basis for better practice. Various kinds of trees can be grown in these regions

which will serve just as well for pro tection and ornament as those which

For several years the forest service

has been been investigating this subject, says the Prairie Farmer, with re-sults which are recognized throughout

the prairie region as of great practical value. The work consists of field studies of the existing forest growth,

toth natural and planted, of its rela-tion to soil and climatic conditions,

and of the effect of various cultural

In carrying on the work forest serv-

ice field parties examine and make measurements of representative groves.

for each of the species studied. In ad-

dition to the measurements, the char-

The work in the eastern part of the

how and where to plan them. Bulleting

of the same character covering other states are in preparation. This sum-mer Iowa was studied, and later other states of the middle west, until the

whole region is covered. Considerable

tree planting has been done in some of

these states, occasionally with com-

plete success; but there have been many total failures, and many at-

tempts successful only in part. As a

rule, the lack of success was due to

ject lessons in respect to future plant-

ACIDITY OF PLANT ROOTS.

Experiments in Italy Which Go to

Prove an Old Accepted Theory

Among Agricultural Students.

the manner in which plant roots take

up food from the soil. The very great

rapidity with which plants grow

would seem to indicate that the root

of each plant exudes some kind of an

acid that has the power to set free

latent plant food. This has been so

firmly believed that it has become an

students, says the Farmers' Review. It

will be interesting to many of these to

learn that experimenters in Italy have

demonstrated beyond all question that

the tip of the root does exude an acid. It was found in Italy that when blue lit-

mus paper was placed in contact with

the points of the roots of sugar beets

the paper at the point where it came in contact with the roots changed to a red

color. This could be due to nothing less

than the diffusion of an acid. Its present

value in agriculture is considerable, as

it gives us some information relative

to the availability of plant food in the

A BARREL HEADER.

Handy Implement Which Any Farm-

er Can Rig Up for Himself

in the Fruit Shed.

A barrel header, such as the store

rell, is a handy implement to own. But

if there are only a few apples to be barreled, it may not pay to buy a press.

THE BARREL HEADER

One can be rigged very quickly

It has long been a question as to

visable planting range obtained.

methods.

able species were neglected.

I, who was dismiss erman department of y without a hearing, d by President Eliot imilar department at

ly, now of Evanston, en connected with s been retired with ard of managers of

in New South the Lyceum theater street, Sydney, and roperty, for about Central Methodist

kron, O., known as have been most used, and which at the same time will furnish valuable wood will build in the the most beautiful ountry. It is to be \$500,000. As in the be no windows d through a system

the Presbyterian to have the Proteach large city sea member of the en the freedom of ings. In this way o bridge the chasm mizations and the

THE TOTS.

tere little boys who "Yes, in bed to be the safest o it now!"

said a Sunday casing a new pupil "that you have a " replied the little formation concerning the species most and over his heart, suitable to the locality, and telling

learning to sew. vainly trying to asked: "Mamma, ole in a needle an

d the mother. the little miss, lle is cross-eyed."

sticed that nearly e day her mother at home, her maut. One Wednesno move toward

emarked: ar deception day;

eact reasoning on schoolgirl. The press the idea of He led up to it the persons who ne there was silittle girl, who ed out the anher owa home I, with a good

ease, sir, 'it's the

HEARD.

aldness. ey in their cars. cost \$50 apteca. an leap 64 feet. ship is 26 years.

se edible dog. a different name month.

buildings were churches. iree in the aftne in the morn-

soil.

to Dine. vere in a corner th a wall of rock you do? vr.—Coupel

lown in Texings unite to hat wind their flowery meads,

Lope

me to me five drink Postum feeling that it n and me than

a it, for it en-ate woman, to thy baby 16 using a plank or scantling with one end under a stud reaching to the shed plate and temporarily nailed in place, says the Farm Journal. The barrel to be headed from the fulcrum. Be careful not to press the applies too hard.

strate me two

Success in Merticulture.

Is there success in horticulture!

There is, if you make it. If not, no
it all depends upon what your measur

POISON HEMLOCK. at Mames Under Which the Plant Is Known in Differ-

ont Localities.

Dr. Piehn, a speaker at the recent German colonial conference, attributes the brutal excesses of certain German and Beigion officials when set to govern black men to "tropencholer," or tropical frenzy, says Dr. Piehn, is not responsible for his actions, however, criminal they may be. The disease sets hold of him like creaning paraly.

gets hold of him like creeping paraly-

Why He Ducked.

A fine specimen of the Taurus hi-bernious made its appearance in the Bow street police court yesterday. "You ducked your head," said the magistrate to Patrick Lane, who charged Joseph Kavanagh with shoot-

ing at him in the Strand. "Faith and

I did, your worship. It's better to be a coward for five minutes than to be dead all your life."—London Globe.

Moved Post Office.

matter, about 100 citizens entered the

post office at Sparks, Nev., one night

moved them to a building situated in another portion of the city which they

consider more suitable, as it is more

Raised for Reward.

Some years ago the government of Jsya offered a reward for all croco-diles killed or captured. For a time spormous numbers of them were

brought to the authorities. Then it

was discovered that nearly all the na-

tives had gone to raising crocodiles, so

The Pope's School Days.

At the recent athletic tournament

in the vatican the pope took special in-

terest in the bicycle contests and re marked that if the bleycle had existed

when he was a boy it would have saved

him great hardship, as he had every

day to walk seven miles in all weath-

The Lion Bridge.

At Sangong, China, is the Lion bridge, the longest bridge in the

arm of the Yellow sea and it is sup-

ported by 300 huge stone arches. The

roadway is seven feet above the water and is inclosed in an iron network.

At Holy Shrine.

Roman Catholics flocked to West-

minster abbey recently to visit the

shrine of Edward the Confessor, who

was canonized on October 13, 1163. All

day long pilgrims were kneeling at the

rail which surrounds the tomb, and

Tending to Business.

During the hearing of a charge of

house-breaking against a number of

youths in Edinburgh, it was stated that

each member of the gang had promised

To Win Truth.

give freedom; there must be neither

exaction nor tyranny. It is human to

desire liberty, and the yoked human

creature does not express his genuine

Action of Gravity.

"I was born on a hillside farm in

Vermont," said the eminent states-

man, "and at an early age I rolled

Birds at Home.

birds amid their natural surroundings

have been taken by an English natural-

ist. Some of them entailed as much

The Bight Place.

If ever we have to board again we

ere going to look for a place in a

home where the housewife feels com-

plimented if you eat until your collar

Woman's Hair.

some 40 or 50 miles of hair on their beads. The fair-haired may even have

to dress 70 miles of threads of gold

In Other Words.

Her-I wonder why Solomon never referred to any of his wives?

Him-He did. He said "Vanity of

vanities; all is vanity."-Chicago Daily

THE MARKETS.

LARD—Western Steam

COTTON—Midding
CATTLE—Native Steeps 2
Cows and Heifers.
HOGS—Fair to Choice.

EHEEP—Muttons & Mixed
FLOUK—Patents

WHEAT—No. 2 Hed.

CORN—No. 2

RYE—No. 3

RYE—No. 1

HAY—No. 1 Timothy... 1

BUTTER—Creamery

LARD

PORK—Standard Mess

NEW YORK, Nov. 13.

Few ladies are aware that they carry

as a week of waiting and watching.

More than 10,000 photographs of

sourt in life?" asked the reporter.

opinions.-Brooklyn Eagle.

down."-Chicago Tribune.

hurts.-Chicago Sun.

every morning.

Vows.

If you wish for truth, you must

liquors during "business hours."

offering up prayers.

It extends 51/4 miles over an

the reward was withdrawn.

ers to school.

world.

Without consulting Uncle Sam in the

much in common.

This has a large number of local names, among which are, spotted para-ley, stinkweed, herb bennet, poison root, poison snakeweed, ashes, wode root, poison snakeweed, ashes, wood whistle. This plant is purple spotted hollow stemmed and grows from two to seven feet high. The small white reau of Ferestry Doing Good Work in This Direction — Better Methods in Use. flowers appear in late summer. The seed is prominently ridged, and has on its inner surface, a deep, narrow longitudinal groove. The fresh leaves have a nauseating taste and send out there is pressing need of more trees both for wood and for windbreaks and shelter-belts. This need has been felt since the prairies were first settled, but mouse-like odor when braised.

This plant is a native of Europe and Asia, but has become naturalised in



POISON REMLOCK (CENIUM MACU-LATUM).

howing Upper Portion of Plant, with Flowers and Seed, One-Third Natural Size.)

the United States and is now common on many of our waysides. It is seen frequently in Michigan, and is not yet often met with in Illinois and Wiscon-

From these measurements volume and yield tables are made which show the The poison is the alkaloid conine, seturns in cordwood, posts, stakes and and is found chiefly in the seeds when lumber to be expected in a given time formed, but before that time in the leaves, says the Farmers' Review. The root is nearly harmless during March, April and May, but is dangerous afteracteristics of growth and reproduction of the trees are noted, and valuable data on the natural distribution and adwards, especially during the first year of its growth.

Domestic animals are frequently killed by eating the plant. It should be destroyed by hand pulling before two Dakotas, western Minnesota, Illi-nois, eastern Nebraska and western maturity. This is not a great task, Kansas has been published, giving inas it is not generally found in large

GIRDLING GRAPEVINES.

What One Vineyardist Has to Say Regarding the Method as Used by Him.

I have girdled grapevines and seen it done for about 40 years, since I was a small boy; my father has done it nearly every year. The effect is not so marked I think, if a large branch is girdled as when it is a small one. The theory of lack of knowledge how and what to girdling, as I have it, is that the sap of rlant. But these plantations, whether the grape passes up through the wood successful or not, provide valuable oband down between wood and bark. The proper time for the operation is from June 25 to July 5. Take, for instance, a branch like A, remove the bark clean or it will do no good. B shows bark re-



THE GIRDLED SECTIONS

gested, continues the correspondent of the Rural New Yorker, while this separation is in force, the sap passes up and coming back cannot pass the bare wood, but from above and below it begins to make new wood, as shown in C and D In five or six weeks it will look some accepted tenet with many agricultural | thing like D, and be healed so that the rap will flow as usual. You will notice. wever, that the vine above the cut is strikingly enlarged. I imagine the root may have suffered during the separation, though the vine will appear none the worse for it, but during the separation that particular branch will outgrow the others both in foliage and fruit. The grapes on that girdled branch can be easily picked out, as they run among the others. The bunches will be larger and handsomer, and grapes larger and they will ripen a few days earlier and be superior fruit.

HORTICULTURAL HINTS.

Promptly pick up fallen fruit and feed it to stock, or turn it into cider vinegar.

Cut away the suckers from newlygrafted trees. From all trees, for that

Fruit storage houses should be built in every locality that is largely devoted to the growing of fruit.

After the first frost, dig the sweet octatoes. Cut off the vines and turn out the potatoes with a potato fork or

A garden is the personal part of an state, that area which is most intinately associated with the private life of the home.-Prof. L. H. Bailey.

Take current cuttings, after the leaves fall, and bury in the ground until spring; then plant, or they may be planted now. Set into the ground to the top bud. Muich later. Clean up all trash in the orchard.

low the weeds (there shouldn't be ony). Burn all rubbish. Then the lly see and catch all field mice.-Farm

All fruit stones required for sowing must be kept moist from the time of collecting until sowed. Wash them clean of pulp and place them in boxes of damp soil until ready to sow them. Sow either in fall or spring, says Fractical Farmer.

PAINFUL PERIODS W. L. Dou

Suggestions How to Find Relief from Such Suffering.



recently and, taking possession of the place, loaded the mail stationery, stamps and fixtures on a wagon and While no woman is entirely free from periodical suffering, it does not seem to be the plan of nature that women should suffer so severely. Menstruation is a severe atrain on a woman's vitality. If it is painful or irregular something is wrong which should be set right or it will lead to a serious derangement of the whole female organism.

More than fifty thousand women have testified ingrateful letters to Mrs. Plakham that Lydis E. Pinkham's Vegetable Compound stands without a peer as a Vegetable Compound overcomes painful and irregular menstruation.

More than fifty thousand women have testified in grateful letters to Mrs. think that Lydia E. Pinkham's Vegetable Compound overcomes painful and irregular menstruation.

It provides a safe and sure way of escape from distressing and dangerous weaknesses and diseases.

The two following letters tell so convincingly what Lydia E. Pinkham's Vegetable Compound will do for women, they cannot fall to bring hope to thousands of sufferers.

Miss Nellie Holmes of MAN Past

Resorting to the Higher Methods.

Resorting to the Righer Methods.

The pickpocket had been caught in the act and arrested.

"What is the meaning of this?" he exclaimed, pale with indignation, and struggling violently. "Gentlemen, this is an outrage! I can explain it all! You have no right to meddle in my business affairs! Besides, I can prove an alibi!"

But he was too insignificant an operator. He was hurried off to the lockup.— Chicago Tribune.

Running Account. the leader not to touch intoxicating

"The cashier has skipped out and his books are in an awful muddle," announced the bookkeeper. "What shall we do?" "Open a running account with him at once," said the president, promptly.—Cieveland Leader.

Has Chances. "Do you think a politician is worse than ther men?" "No," answered Senator rehum. "He has more temptations."—

NOT A TRACE LEFT

Rheumatism Thoroughly Cured Dr. Williams' Pink Pills for Pale People. There is one remedy that will cure

rheumatism in any of its forms and so thoroughly eradicate the disease from the system that the cure is permanent. This remedy is Dr. Williams' Pink Pills for Pale People and the proof of the statement is found in the experience of Mr. T. S. Wagar, of No. 72 Academy street, Watertown, N.Y. He says:

"The pain was in my joints and my "The pain was in my joints and my sufferings for over two years was beyond description. There was an intense pain in my shoulders that prevented me from sleeping and I would get up and walk the floorat night. When I began taking Dr. Williams' Pink Pills the improvement was gradual, but by the time I had taken four boxes I was entirely cured and I have not had the alightest touch of rheumatism since that time."

Mr. Wagar's wife is also enthusiastic in her endorsement of Dr. Williams'

of rheumatism since that time."

Mr. Wagar's wife is also enthusiastic in her endorsement of Dr. Williams' Pink Pills. She says: "I have tried the pills myself fer stomach trouble and have experienced great relief from their use. My daughter, Mrs. Atwood, of Gill street, Watertown, has used them for female weakness and was much benefited by them. I regard Dr. Williams' Pink Pills for Pale People as an extremely valuable family medicine."

Dr. Williams' Pink Pills have cured the worst cases of bloodlessness, indigestion, influenzs, headaches, backaches, lumbago, sciatica, neuralgia, nervousness, spinal weakness, and the special allments of girls and women whose blood supply becomes weak, scanty or irregular. The genuine Dr. Williams' Pink Pills are guaranteed to be free from opiates or any harmful drugs and cannot injure the most delicate system. At all druggists or from the Dr. Williams Medicine Co., Schenectady, M. Y., postpaid, on receipt of price, 80 cents per Lox, siz bozes for \$2.50.

THE BEST COUCH CURE

Cough syrups are all cheap enough, but if you should get a gallop of cough syrup that does not cupe for the price of a small bottle

Kemp's Balsam

the best cough ours, you would have made a bad bargain—for one small bottle of Kemp's Balsam may Sold by all dealers at spe. and soc.

The success of Lydia E. Pinkham's Vegetable Compound rests upon the well-carned gratitude of American

weaknesses and diseases.
The two following letters tell so convincingly what Lydia E. Pinkham's Vegetable Compound will do for women, they cannot fail to bring hope to thousands of sufferers.

Miss Nellie Holmes of 540 N. Davision Street, Buffalo, N. Y., writes:

Dear Mrs. Pinkham:

"Your medicine is indeed an ideal medicine for women. I suffered misery for years with painful periods, headaches, and bearing-down pains. I consulted two different physicians but failed to get any relief. A friend from the East advised me to try Lydia E. Pinkham's Vegetable Compound. I did so, and no longer suffer as I did before. My periods are natural; every ache and pain is gone, and my general health is much improved. I advise all women who suffer to take Lydia E. Pinkham's Vegetable Compound."

Mrs. Tillie Hart, of Larimore, N. D., writes:

Dear Mrs. Pinkham:

"I suight have have been spared many months of suffering and pain had I only known of the efficacy of Lydia E. Pinkham's thousands. Address Lynn, Mass. Ask Mrs. Pinkham's Advice—A Wemss Best Understands a Woman's Ills.

Resorting to the Higher Methods.

\$10,000 REWARD to snyone who can disprove this statement. L. Douglas \$3,50 shoos have by their it style, oney fitting, and supports was les, achieved the largest sale of any \$

CURES | 500. and 61.00. Swine Disease Hog Cholera

Fast Color Eyelets used; they will not wear brass Write for Illustrated Catalog of Fall Styl W. L. DOUGLAS, Brockton, Mass

WHEN WRITING TO ADVERTISEES

Bend for Circular with Directions. Dr. EARL S. SLOAM, S15 Albany St., Seston, Mass

"They Say It Cures Where All Others Fail

-JUDGE & DOLPH DRUG CO.

"From present Indications, it won't be very long before Mull's Grape Tonic is the carry remedy sold for constipation and stomach trouble. It the only one now in our store that is selling to amount to anything. Our customers are actually enthusiastic about it.
"They say that it cures constipation and stomach trouble where all others fall. That it builds up and strength-

ens the digestive organs and the whole general system. In fact, we hear more good words about this remarkable remedy than anything that we carry in stock.

"Those who have used Mull's Grape Tonic not only tell us that it is a certain cure for stomach trouble

and constipation, but they tell others. We have new customers calling for it constantly who have been sent to the store by those who have been cured."
JUDGE & DOLPH DRUG CO., 515 Olive St., St. Leuis, Mo-

This reliable drug firm is in close teach with oustomers and the shore words should be loient to warrant a trial of this great remedy.

There is nothing so good for young and old as MULL'S GRAPE TONIC. Is builds up and puts the stomach, the bowels, the who digestive system in perfect condition to do its natural work. It is needed nature's own true tonic, made from the products of nature own storebugs. It does not shock or weaken the delicate organs a linus make a bad matter worse. It is healing, soothing, strengthening and pleasant to take.

MULL'S GRAPE TONIC CURES Constipation and Stomach Trouble

PEACE AND COMFORT Those Who Smoke like

MERCANTILE

FINE QUALITY HAVANA TOBACCO. 985" and "Agents" Sc Cigars Are Leaders of the World. | W. P. H. HICK H. C. Cotto.



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